

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Caulkins Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with U.S. State requirements)

At surface 890' From the South and 1120' From the East

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. U. S. GEOLOGICAL SURVEY
FARMINGTON, N.M.

5. LEASE DESIGNATION AND SERIAL NO.

NM 03547

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech F

9. WELL NO.

11-M

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 35 27 North 6 West

12. COUNTY OR PARISH

Rio Arriba

New Mexico

15. DATE SPUDDED 6-27-82 16. DATE T.D. REACHED 7-15-82 17. DATE COMPL. (Ready to prod.) 9-28-82 18. ELEVATION (DRILLER'S, OR ETC.)* 6661 19. ELEV. CASINGHEAD 6661

20. TOTAL DEPTH, MD & TVD 7700' 21. PLUG, BACK T.D., MD & TVD 7700' 22. IF MULTIPLE COMPL., HOW MANY* (2) Two 23. INTERVALS DRILLED BY 0-7700 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4928 to 5588 Mesa Verde 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Induction Log 27. WAS WELL CORRED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.40#	320'	13 3/4"	275 sacks (325.25 cu ft)	None
5 1/2"	15.5 & 17#	7700'	7 7/8"	1575 (2329.25 cu ft)	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4"	5545	5806

31. PERFORATION RECORD (Interval, size and number)

1 .42 4928	1 .42 5358	1 .42 5588
1 .42 4938	1 .42 5412	
1 .42 4982	1 .42 5449	
1 .42 5229	1 .42 5560	
1 .42 5349	1 .42 5570	

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4928-5588	80,000# 20-40 sand and 1698 bbls. 20# Gel Fluid

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-5-82		Flowing				Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-5-82	3 Hrs.	3/4"	→		129		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
61	537	→		1,033			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Complete cementing record

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

Charles Vergara

TITLE

Superintendent

DATE 10-12-82

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOC

BY *P. B. ...*

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

See attachment for complete cementing records.

57. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Alamo	2422	2738	Water Sand	Alamo	2422	2422
Pictured Cliffs	3190	3291	Gas Sand	Pictured Cliffs	3190	3190
Mesa Verde	4907	5596	Gas Sand	Mesa Verde	4907	4907
Dakota	7420	7630	Gas Sand	Dakota	7420	7420
			Hole Deviation Test			
	Depth		Degrees			Degrees
	325		3/4			1 3/4
	822		3/4			1/2
	1332		1			1/2
	1987		1			3/4
	2495		1			1
	2814		1 3/4			1
	3298		1 3/4			1 1/4
	3815		1 3/4			1 3/4

Ran 5 1/2' Casing as follows;

7700' to 6631'	(1069)	5 1/2"	17#	J-55	ST&C
6631' to 1157	(5474)	5 1/2"	15.5#	J-55	ST&C
1157' to surface	(1157)	5 1/2"	17#	J-55	LT&C

Stage tools set at 5587' and 3409'.

Cemented first stage thru shoe with 250 sacks(412.50 cu ft) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack, followed by 100 sacks(118 cu ft) Neat Cement. Plug down 1:15 AM 7-15-82

Cemented second stage thru stage tool set at 5587' with 250 sacks (412.50 cu ft) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks(118 cu ft) Neat cement. Plug down 2:50 AM 7-15-82

Cemented third stage thru tool set at 3409' with 500 sacks(825 cu ft) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 cu ft) Neat Cement. Plug down 4:50 AM 7-15-82. Tool would not close. Held pressure on cement for 4 hours then released. Held OK. Will test when tool is drilled out.

Cement circulated above tools and to surface.

Drilled out stage tool at 3409'. Tested 5 1/2" Casing and found it would take fluid 3 BPM at 1200#. Ran packer and pinpointed hole at 3409'. Squeezed stage tool with 200 sacks(232 cu ft) Class "B" Cement, 3% CaCl. Cement would not squeeze. Cleared pipe and let cement set overnight. Squeezed hole at 3409' with 50 sacks(58 cu ft) Class "B" Cement containing .8% Fluid Loss Additive plus 2% CaCl. Final Pressure 5000#.

Drilled out cement and tested casing with 3000#. Held OK. Drilled out stage tool at 5587' then tested casing with 3000#. Would lose 1000# in 5 Minutes Ran Packer to find leake. Found leak at 3409'. Squeezed hole with 25 sacks (29 cu ft) Latex cement. Final pressure 4500#. Drilled out cement. Tested casing with 4000#. Held OK.

Cement baskets set at 5544' and 3493'.

Centrilizers set at: 7658,7616,7575,7533,7492,7450,7490,7374,7333,7292,7249, 7207,7166,7123,7082,7043,7002,6960,5629,5465,5423,5381,3535,and 3367.

